

PROF. DR. HÜSNÜ ÖZKAN
ÖZGEÇMİŞ

1. **Adı Soyadı: Hüsnü Özkan**

2. **Doğum Tarihi: 1944**

3. **Unvanı: Profesör**

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4. **Öğrenim Durumu: Ph. D.**

Derece	Alan	Üniversite	Yıl
Lisans	Fizik	Orta Doğu Teknik Üniversitesi	1968
Y. Lisans	Fizik	Orta Doğu Teknik Üniversitesi	1971
Doktora	Makina Mühendisliği, Malzeme Bilimleri	Marquette University, WI, ABD	1975

5. **Akademik Unvanlar:**

Y. Doçentlik tarihi: Orta Doğu Teknik Üniversitesi 1976-1981

Doçentlik tarihi: Orta Doğu Teknik Üniversitesi 1981-1989

Profesörlük tarihi: Saginaw Valley State University, USA 1989-1990

Profesörlük tarihi: Orta Doğu Teknik Üniversitesi 1991-2011

Profesörlük tarihi: İstanbul Aydın Üniversitesi 2011-2017

Akademik Görevler:

1968-71 Assistan, Fizik Bölümü, ODTÜ, Ankara, Türkiye

1971-73 Araştırma asistanı, Makina Mühendisliği Bölümü, Marquette University, Milwaukee, WI
(USA)

1974-76 Misafir araştırmacı, Malzeme Bilimleri Bölümü, Argonne National Laboratory, Argonne, IL
(USA)

1976-81 Assistan Profesör, Fizik Bölümü, ODTÜ, Ankara, Türkiye

1981-88 Doçent, Fizik Bölümü, ODTÜ, Ankara, Türkiye

1988-89 Associate Professor, Makina Mühendisliği Bölümü, Marquette University, Milwaukee, WI
(USA)

1989-90 Fulbright Profesör, Collage of Science Engineering and Technology, Saginaw Valley State University, MI (USA)

1991-2011 Profesör, Fizik Bölümü, ODTÜ, Ankara, Türkiye

2011-17 Profesör, Mühendislik Fakültesi, İAÜ, İstanbul, Türkiye

1993-Yaz Profesör, Yaz Okulu, Collage of Science Engineering and Technology, Saginaw Valley State University, MI (USA)

1999-Yaz Profesör, Yaz Okulu, Collage of Science Engineering and Technology, Saginaw Valley State University, MI (USA)

1990-05 ODTÜ Fizik Bölümü Kathal Fiziği Anabilim Dalı Başkanı

1990-08 ODTÜ Fizik Bölümü Doktora Yeterlik Komitesi Başkanı

1998-08 ODTÜ Merkezi Laboratuvar Komiteleri Üyesi

1995-10 ODTÜ Bilimsel Araştırmalar Komitesi (BAP) Üyesi

2007-10 ODTÜ Disiplinlerarası Lisansüstü Anabilim Dalı; Mikro-Nanoteknoloji Programı Öğretim Üyesi

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri, ODTÜ

Öğrencinin Adı	Tezin Başlığı	Aldığı Derece	Yıl
Bahar Dirican	Structural Properties of the Boron Containing Crystals	M.S.	1981
Marwan El Kawni	Elastic Constants of Cordierite and Hambergite Crystals	M.S.	1987
Rafiq Al-Khader	Thermal Expansion of Low Cordierite	M.S.	1988
N.M. Hamdan	Variation of the Lattice Parameters of Tourmaline Crystal with Temperature	M.S.	1988
B.A. Albiss	Effect of Silver Doping and Gamma Irradiation on Y-Ba-Cu-O Superconductor	M.S.	1992
H. Böcük	Effect of Magnetic Field on Resistivity and I-V Characteristics of YBCO Superconductor	M.S.	1996
U. Topal	Effect of Magnetic Field, Temperature and Gamma Irradiation on Electrical and Structural Properties of Thallium-Based Superconductors	M.S.	1997

S. E. Ogün	Effect of Li Addition on the Properties of Bi-based Superconductors	M.S.	2003
D. Köseoğlu	Effects of B ₂ O ₃ Addition on the Formation and Properties of Bi-based Superconductors	M.S.	2003
M. Açıkgoz	Temperature Dependence of the Spectroscopic and Structural Properties of TlGaS ₂ and TlInS ₂ Crystals	M.S.	2004
N. S. Yüksek	Thermally Stimulated Current Observations of Trapping Centers in Layered Thallium Dichalgonite Semiconductors	M.S.	2004
Nader Ghazanfari	Effects of Nb ₂ O ₅ Addition on the Formation and Properties of the Bi-based Superconductors	M. S.	2006

6.2. Doktora Tezleri, ODTÜ

Öğrencinin Adı	Tezin Başlığı	Aldığı Derece	Yıl
A. Tatlı	Ultrasonic Investigation of the Variation Elastic Properties of Tourmalines with Structure Composition and Temperature	Ph.D.	1980
N.M. Hamdan	Effect of Temperature and Irradiation on the Properties of Bi-Based Superconductors	Ph.D.	1993
B.A. Albiss	Effect of Gamma Irradiation on Structure and I-V Characteristics of Bi-Based Superconductors	Ph.D.	1997
T. Kayed	Properties of the Tl- and Bi-Based Superconducting Ceramics and Tapes Under Magnetic Field and Gamma Irradiation	Ph.D.	2000
H. Böcük	Effects of Vortex Motion in Magnetic Properties of High Temperature Superconductors	Ph.D.	2002
U. Topal	Effects of Boron Doping and Thermal Neutron Irradiation on the Flux Pinning in Bulk High Temperature Superconductors	Ph.D.	2003

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SSCI)

- 1- T.G. Worlton, L. Cartz, A. Niravath, and **H. Özkan**, "Anisotropic Thermal Expansion and Compressibility of ZrSiO_4 ," **High Temperature High Pressures**, 4, 463-469 (1972).
- 2- **H. Özkan**, L. Cartz, and J.C. Jamieson, "Elastic Constants of Non-Metamict Zirconium Silicate," **J. Appl. Phys.**, 45(2), 556-562 (1974).
- 3- **H. Özkan**, "Effect of Nuclear Radiation on the Elastic Moduli of Zircon," **J. Appl. Phys.**, 47(11), 4772-4780 (1976).
- 4- **H. Özkan** and J.C. Jamieson, "Pressure Dependence of the Elastic Constraints of Non-Metamict Zircon," **Phys. Chem. Minerals**, 2, 215-224 (1978).
- 5- **H. Özkan**, "Elastic Constants of Tourmaline," **J. Appl. Phys.**, 50(9), 6006-6009 (1979).
- 6- **H. Özkan**, "Effect of Thermal Neutron Irradiation on the Elastic Constants of Tourmaline," **Radiation Effects**, 102(1), 31-38 (1987).
- 7- Tatli and **H. Özkan**, "Variation of the Elastic Properties of Tourmaline with Chemical Composition," **Phys. Chem. Minerals**, 14, 172-176 (1987).
- 8- **H. Özkan**, F.G. Karioris, J. Eridon, and L. Cartz, "Radiation Damage of Lithium Ceramics by Ion Bombardment," **Nuclear Instruments and Methods in Physical Research**, B46, 202-205 (1990).
- 9- F.G. Karioris, **H. Özkan**, S.B. Luyckx, and L. Cartz, "The Stability of WC to Ion Bombardment," **Nuclear Instruments and Methods in Physics Research**, B46, 176-179 (1990).
- 10- **H. Özkan**, F.G. Karioris, E.R. Vance, J. Eridan, and L. Cartz, "Damage of $\text{YBa}_2\text{Cu}_3\text{O}_x$ by Ion Irradiation," **Nuclear Instruments and Methods in Physics Research**, B46, 291-294 (1990).
- 11- B.A. Albiss, N. Hamdan, A. Menard, and **H. Özkan**, "Effect of Gamma Irradiation on Pure and Silver Doped YBCO Superconductor," **Solid State Communications**, 88(3), 237 (1993).
- 12- N.M. Gasanly, **H. Özkan**, and A. Culfaz, "Compositional Variations of Lattice Parameters of $\text{TlGa}(\text{S}_{1-x}\text{Se}_x)_2$ Layer Mixed Crystals," **Phys. Stat. Sol. (a)**, 140 KI (1993).
- 13- N.M. Hamdan, Kh. A. Zig, B.A. Hallak, and **H. Özkan**, "Anisotropic Changes Induced by Ion Irradiation on Bi-Based High T_c Superconductors," **Solid State Communications**, 87, 1129 (1993).
- 14- **H. Özkan**, B.A. Albiss, N. Hamdan, and A. Menard, "Effect of Gamma Irradiation and Silver Doping in YBCO Superconductor" **Journal of Superconductivity**, 7 (6): 885-888 Dec. (1994)

- 15- N.M. Gasanly, A. Culfaz, **H. Özkan**, and Ellialtioglu, "Lattice Parameters of $\text{TlGa}_{1-x}\text{In}_x\text{S}_2$ and $\text{TlGa}(\text{S}_{1-x}\text{Se}_x)_2$ Layer Mixed Crystal," **Cryst. Res. Technol.**, 29(3) K51-K55 (1994).
- 16- H. Böcük, B.A. Albiss, İ. Ercan, **H. Özkan**, and N. Gasanly, "Effect of Magnetic Field and Temperature on the Voltage-Current Characteristics of YBCO Superconductor," **Journal of Low Temperature Physics**, 105, No:3/3, 978 (1996).
- 17- B.A. Albiss, H. Böcük, N.M. Gasanly, and **H. Özkan**, "Voltage-Current Characteristics of Polycrystalline $(\text{Bi, Pb})_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ Superconductor at Different Magnetic Fields and Temperatures," **Journal of Low Temperature Physics**, 105, No: 3/4, 957 (1996).
- 18- A.1 M. Parlak, C. Ercelebi, I. Gunal, H. Ozkan, N. M. Gasanly, A. Culfaz, Crystal Data, Electrical Resistivity and Mobility in $\text{Cu}_3\text{In}_5\text{Se}_9$ and $\text{Cu}_3\text{In}_5\text{Te}_9$ Single Crystals. "Cryst. Res. Technol.", 32, (1997), p.395-400.
- 19- B. A. Albiss, H. Ozkan, H. Bocuk, N. M. Gasanly, Effect of Gamma Irradiation on Structure and Electrical Properties of $(\text{Bi,Pb})_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ Superconductor. "**Superlattices and Microstructures**", 21, (1997), p.23-26.
- 20- M. Parlak, C. Ercelebi, I. Gunal, H. Ozkan, N. M. Gasanly, Structural and Electrical Characterization of $\text{Ag}_3\text{Ga}_5\text{Te}_9$ and $\text{Ag}_3\text{In}_5\text{Se}_9$ Crystals. "**Cryst. Res. Technol.**", 33, (1998), p.923-928.
- 21- N. M. Gasanly, H. Özkan, A. Aydınli, I. Yilmaz, Temperature dependence of the raman – active phonon frequencies in indium sulfide,. "**Soid state communications**", 110, (1999), p.231-236.
- 22- H. <Ozkan, U. Topal, N. M. Gasanly, B. Albis, T. Kayed, Voltage-current charecteristics of the TI based ceramic superconductors, "**Super cond. Sci. Anr technol.**", 12, (1999), p.592-596.
- 23- H. Ozkan, N. Gasanly, T. Kayed, Effect of Magnetic Field and Gamma Irradaiaion on the Electrical properties and Structure of the TI-Based Ceramic Superconductors.. "**Supercond. Sci. Technol.**", 13, (2000), p.161-164.
- 24- B. A. Albiss, M. K. Hasan, M. A. Al-Akhasras, I. A. Omari, A. Sharah, J. Shobaki, Dissipative Behavior and Gamma-irradiation of Silver-sheathed $\text{Bi}_{1.8}\text{Pb}_{0.4}\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_x$ Tape. "**Physica C**", 331, (2000), p.297-301.
- 25- T. Kayed, H. Ozkan, N. M. Gasanly, I. Ercan, Critical Currents of Bi-2223 Tapes Near T_c Under Magnetic Field and Gamma Irradiation. "**Supercond. Sci. Technol.**", 13, (2000), p.1624-1628.
- 26- N. M. Gasanly, H. Ozkan, M. Tas, Composition Dependence of Lattice Anisotropy of TlBX_2 -type Chain Mixed Crystals. "**Crystal Res. Technol.**", 35, (2000), p.185-188.
- 27- N. M. Gasanly, A. Aydınli, H. Ozkan, C. Kocabas, Temperature Dependence of the First-order Raman Scattering in GaS Layered Crystals. "**Solid State Commun.**", 116, (2000), p.147-151.

- 28- T. S. Kayed, H. Ozkan, N. M. Gasanly, Effect of lithium doping on the properties of TI-based superconductors. "**Superconducting Science and Technol.**", 14, (2001), p.738-740.
- 29- N. M. Gasanly, A. Aydınli, H. Özkan, Temperature dependence of the first-order Raman scattering in GaS layered crystal. "**Solid State Communication**", 117, (2001), p.393-394.
- 30- N.M. Gasanly , A. Aydınli, and H. Ozkan., Resonant Raman scattering near the free-to-bound transition in undoped p-GaSe. "**Crystal Res. Technol.**", 36, (2001), p.1393-1398.
- 31- N. M. Gasanly, A. Aydınli, C. Kocabas, H. Ozkan, Anharmonicity of Zone center Optical Phonons: Raman Scattering Spectra of GaS 0.5Se 0.5 Layered Crystal. "**Physica Scripta**", 65, (2002), p.534-538.
- 32- N. M. Gasanly, A. Aydınli, H. Ozkan, C. Kocabas, Temperature-dependent Raman Scattering Spectra of e-GaSe layered Crystal. "**Mat. Res. Bull.**", 37, (2002), p.167-176.
- 33- N. M. Gasanly, K. Goksen, H. Ozkan, Photoluminescans Spectra of GaS 0.75Se 0.25 Layered Single Crystals . "**Crystal. Res. Technol.**", 37, (2002), p.581-586.
- 34- U. Topal, L. Dorosinskii, H. Ozkan, H. Yavuz, Effect of thermal neutron irradiation in boron-doped melt-textured YBCO superconductors. "**Physica C**", 388-389, (2003), p.401-402.
- 35- U. Topal, L. Dorosinskii, H. Ozkan, H. Yavuz, Effect of thermal neutron irradiation on the pinning properties of TSMG Sm-123 superconductors. "**Physica C** ", 388-389, (2003), p.403-404.
- 36- S. E. Ogun, H. Ozkan and N. M. Gasanly, Effect of LiCO₃ Doping on the Properties of Bi-based Superconductors.. "**IEEE Transactions on Applied Superconductivity**", 13, (2003), p.3158-3160.
- 37- N. S. Yuksek , N. M. Gasanly and H. Ozkan, TSC Analysis of Shallow Levels in TiGaS₂ Layered Single Crystals. "**Semicond. Science and Technology**", 18, (2003), p.834-838.
- 38- S. Cavdar, E. Aksu, H. Koralay, H. Ozkan, N. M. Gasanly and I. Ercan., Effect of B₂O₃ Addition on the Formation and Properties of Ti-2212 and Ti-2223 Superconductors. . "**Physics Status Solidi (A)**", 199, (2003), p.272-276.
- 39- Yuksek NS, Kavas H, Gasanly NM, Ozkan H, Trapping center parameters of TiGaSe₂ layered crystals . "**PHYSICA B**", 344, (2004), p.249-254.
- 40- Yuksek NS, Gasanly NM, Aydınli A, Ozkan H, Infrared photoluminescence from TiGaS₂ layered single crystals . "**CRYST RES TECHNOLOGY**", 39, (2004), p.800-806.
- 41- Uğur Topal, Hüsnü Özkan, Hüseyin Sözeri, Synthesis and charecterization of nanocrystalline BaFe₁₂O₁₉ obtained at 850 C by using ammoniun nitrate melt. "**Journal of Magnetisn and magnetic materials**", 284, (2004), p.416- 422.

- 42- Yuksek NS, Gasanly NM, Ozkan H, Aydinli A, Temperature dependence of Raman-active modes of TlGaS₂ layered crystals: An anharmonicity study. "**J KOREAN PHYS SOC**", 45, (2004), p.501-506.
- 43- Yuksek NS, Gasanly NM, Ozkan H, O. Karci, Trapping center parameters in TlInS₂ layered crystals by thermally stimulated current measurements. "**ACTA PHYS POL A**", 106, (2004), p.95-103.
- 44- Ogun SE, Goktas H, Ozkan H, N. M. Gasanly, Effect of low energy electron irradiation on (Bi,Pb)-2212 superconductor. "**Surface and Coating Technology** 196(1-3) 118-122, 2005", 196, (2005), p.118 -122.
- 45- Topal U, and Ozkan H., Effect of B₂O₃ addition on the properties of melt processed YBa₂Cu₃O_{7-x}. "**Supercond. Sci. Technology**", 18, (2005), p.82-86.
- 46- Goksen K, Gasanly N. M., Aydinli A, and Ozkan H., Donor-acceptor pair recombination in Tl₂InGaS₄ layered crystals. "**Journal of Korean Physical Society**", 47(2), (2005), p.267 - 271.
- 47- N. A. P. Mogaddam, N. S. Yuksek, N. M. Gasanly and H. Ozkan, Determination of Trapping Center Parameters of Tl₂InGaS₄ Layered Crystals by Thermally Stimulated Current Measurements. . "**Journal of Alloys and Compounds**", 417, (2006), p.23-28.
- 48- N. M. Gasanly, N. A. P. Mogaddam and H. Ozkan., Thermally Stimulated Current Observation of Trapping Centers in Undoped Tl₄Ga₃InSe₈ Layered Single Crystals. . "**Crystal Research and Technology**", 41, (2006), p.1100-1105.
- 49- U. Topal, H. Ozkan, K. G. Topal, Improved properties of BaFe₁₂O₁₉ prepared by ammonium nitrate melt technique and washed in HCl . "**Journal of Alloys and Compounds**", 422, (2006), p.276-278.
- 50- N. M. Gasanly, H. Ozkan and N. A. P. Mogaddam, Thermally stimulated currents in layered semiconductor Tl₄In₃GaS₈. "**Semiconductors Science and Technology**", 21, (2006), p.1250-1255.
- 51- H. Sozeri, N. Ghazanfari, H. Ozkan, Enhancement in the high-T_c phase of BSCCO superconductors by Nb addition. "**SUPERCONDUCTOR SCIENCE & TECHNOLOGY**", 20, (2007), p.522-528.
- 52- K. Goksen, N. M. Gasanly, H. Ozkan, Dispersive optical constants and temperature tuned band gap energy of Tl₂InGaS₄ layered crystals. "**JOURNAL OF PHYSICS-CONDENSED MATTER**", 19, (2007).
- 53- K. Goksen, N. M. Gasanly, H. Ozkan, Optical absorption and reflection studies of Tl₄InGa₃S₈ layered single crystals. "**ACTA PHYSICA POLONICA A**", 112, (2007), p.93-100.

- 54- A. Kilic, N. Kervan, S. Kervan, A. Gencer, H. Ozkan, Low-field AC susceptibility in Pr_{1-x}HoxMn₂Ge₂. "**SOLID STATE COMMUNICATIONS**", 141, (2007).
- 55- H. Sozeri, H. Ozkan, N. Ghazanfari N, Properties of YBCO superconductors prepared by ammonium nitrate melt and solid-state reaction methods. "**JOURNAL OF ALLOYS AND COMPOUNDS**", 428, (2007), p.1-7.
- 56- N. Ghazanfari, A. Kilic, A.Gencer, H. Ozkan, Effects of Nb₂O₅ addition on superconducting properties of BSCCO. "**SOLID STATE COMMUNICATIONS**", 144, (2007), p.210-214.
- 57- U. Topal, H. Ozkan, L. Dorosinskii, Finding optimal Fe/Ba ratio to obtain single phase BaFe₁₂O₁₉ prepared by ammonium nitrate melt technique. "**JOURNAL OF ALLOYS AND COMPOUNDS**", 428, (2007).
- 58- M. Isik, K. Goksen, N. M. Gasanly, H. Ozkan, Trap distribution in TlInS₂ layered crystals from thermally stimulated current measurements. "**JOURNAL OF THE KOREAN PHYSICAL SOCIETY**", 52, (2008), p.367-373.
- 59 - U. Topal, H. Ozkan, H. Balkan, O. Cankur, K. Topal, Evolution of magnetic and structural properties of TiO₂ with Co-doping. "**JOURNAL OF NON-CRYSTALLINE SOLIDS**", 354, (2008), p.1678-1682.
- 60- H. Ozkan, Correlations of the temperature and pressure dependencies of the elastic constants of zircon. "**JOURNAL OF THE EUROPEAN CERAMIC SOCIETY**", 28, (2008), p.3091-3095.
- 61- M. Isik, N. M. Gasanly and H. Ozkan, Deep Traps Distribution in TlInS₂ Layered Crystals. "**Acta Physica Polonica A**, vol. 115, No. 3, 732-737 (2009).", 115, (2009), p.732-737.
- 62- İ. Küçük, T. Yıldırım, N. M. Gasanly, H. Özkan, Estimation of thermally stimulated current in as grown TiGaSeS layered single crystals by multilayered perceptron neural network,. "**Expert System with Applications**, doi: 10.1016/j.eswa.2010.12.040", doi: 10.10, (2010).
- 63- H. Özkan, Temperature dependence of the isothermal bulk modulus of TiB₂ ,19 596 – 598 (2011). . "**Intermetallics**", 19, (2010), p.596-598.
- 64- H.Sözeri, İ. Küçük, H. Özkan, İmprovement in magnetic properties of La doped BaFe₁₂O₁₉ particles prepared with an unusually low Fe/Ba molar ratio, J. Magn Magn Mater, Volume: 323(13) 1799-1804 (2011).
- 65- H. Sözeri, İ. Küçük, H. Özkan, Identification of La-doped barium hard magnetic barium ferrite using artifical neural network, . "Journal of Superconductivity and Noval Magnetism, 10.1007/s10948-010-0828-3", (2010).
- 66- İ Küçük, T. Yıldırım, N. M. Gasanly and H. Özkan, Computational modeling of isothermal decay curves of trapping centers in TiGaSeS layered single crystals" . "JOURNAL OF ALLOYS AND COMPOUNDS", 507, (2010), p.517-520.

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- 69- Ugur Topal, Mustafa Akdogan, Husnu Ozkan, Electrical and Structural Properties of RE(3)Ba(5)Cu(8)O(18) (RE=Y, Sm and Nd) Superconductors. "**JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM**", Volume: 24, (2011), p.Pages: 2099-210.
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- 72- I Kucuk , T Yildirim, NM Gasanly, H Ozkan, Estimation of thermally stimulated current in as grown TiGaSeS layered single crystals by multilayered perceptron neural network. "**EXPERT SYSTEMS WITH APPLICATIONS**", 38, (2011), p.7192- 7194.
- 73- H Ozkan, Temperature dependence of the isothermal bulk modulus of TiB(2). " **Intermetallics** ", 19, (2011), p.596 -598.
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- 75- **H. Özkan**'Temperature derivatives of the bulk modulus of ZrB₂' ***Philosophical Magazine***, Vol. 94, No 1,73-77 (2014).
- 76- **H. Özkan and B. Yuksel**, Temperature dependence of the bulk modulus of MgCNi₃ in the normal state below room temperature', ***High Temperature High Pressures***, Vol. 45 (2) 109-17 (2016).
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7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

- 1- **H. Özkan**, L. Cartz, and E.S. Fisher, "Temperature Dependence of the Elastic Constants of Zircon," *Rev. Int. Htes. Temp. et Refract.*, 12, 52-57 (1975).
- 2- **H. Özkan**, "Effect of Natural Radiation on the Elastic Moduli of Zircon," *Am. Phys. Soc. Bull.*, 20(3), 377 (1975).
- 3- L. Cartz, R. Fournelle, R.S. Srinivasa, and **H. Özkan**, "Metamict Zircon Formed by Heavy Ion Bombardment," *Amer. Ceram. Soc. Bull.*, 57, 353 (1978).
- 4- **H. Özkan**, "Effect of Thermal Neutron Irradiation on the Elastic Constants and Structure of the Boron Containing Crystals," *Atomindex*, 11(9), 2743 (1980).
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- 6- Gasanly NM, Aydinli A, **Ozkan H**, et al., "Temperature-dependent Raman scattering spectra of GaSe layered crystal", *Mater Res. Bull.* 37 (1): 169-176 JAN 2002

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

- 1- **H. Özkan** and L. Cartz, "Anisotropic Thermophysical Properties of Zircons," AIP Proceedings, No. 17, Thermal Expansion 1973, pp. 21-33, Editors: R.E. Taylor and G.L. Denman, AIP New York (1974).
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- 4- **H. Özkan**, "Effect of Thermal Neutron Irradiation on the Elastic Constants of Tourmaline," **Materials Modifications by High Fluence Ion Beams**, Viana Do Castello, Portekiz, 1987
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- 23- A. Ghazanfari, A. Kılıç, S. Özcan and A. gencer, **H. Özkan**
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- 27- N. Ghazanfari, A. Kilic, H. Sozeri, S. Ozcan, **H. Ozkan**, A. Gencer

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7.7. Diğer yayınlar

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8. Projeler

1977- 1998 arasında yürütülen projeler

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1988-90 Effect of Neutron Irradiation on the Structure and Properties of Lithium Containing Crystals, Fulbright Araştırma Projesi, USA

1993-94 Proje Yöneticisi, Structure and Properties of High Tc Superconductors, ODTÜ (AFP).

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1996-97 Proje Yöneticisi, Variation of Flux-Flow Resistance with Gamma Irradiation, ODTÜ (AFP).

1997-98 Proje Yöneticisi, Voltage-Current Characteristics of the TI-Based Superconductors,

1998 sonrası yürütülen projeler

A.1 Talyum Iceren Superiletkenlerin Akim- Voltaj Ozelliklerinin Sicaklik, Magnetik Alan ve Gama Radyasyonu ile. AFP,ODTU, 1 MAY 1997 - 1 MAY 1998. Researcher .

A.2 Talyum ve Bizmut İçeren Süperiletken Seramik Malzemelerin Elektriksel Özelliklerinin ve Mikroyapılarının. ODTÜ, 1 MAY 1998 - . Researcher .

A.3 Talyum ve Bizmut Iceren Superiletken Seramik Malzemelerin Elektriksel Ozelliklerinin ve Mikroyapılarının. AFP, ODTU, 1 MAY 1998 - 1 MAY 1999. Researcher .

- A.4 Talyum ve Bizmut Iceren Superiletken Seramik Malzemelerin Elektriksel Ozelliklerinin ve Mikroyapilarinin I. AFP, 1 MAY 1998 - 1 MAY 1999. Coordinator .
- A.5 Superiletken Malzemelerde Mikroyapinin Ozelliklere Etkileri. AFP, METU, 1 MAY 1999 - 1 MAY 2000. Coordinator .
- A.6 SUPERILETKEN MALZEMELERDE MIKROYAPININ OZELLIKLERE ETKILERI. AFP, 1 MAY 1999 - 1 MAY 2000. Coordinator .
- A.7 Süperiletken Kablo ve Şerit Yapımı. AFP,Fen Bilimleri Enstitüsü, METU, 1 JULY 2000 - 1 JULY 2001. Coordinator .
- A.8 TI-Tabanlı Süperiletkenlere Bor İyon Işınlama Etkisi. TAEK, 1 JUNE 2000 - 1 JUNE 2001. Researcher .
- A.9 TI-Tabanlı Superiletkenlere Bor İyon Isınlama Etkisi. TAEK, 1 JULY 2000 - 1 JULY 2001. Researcher .
- A.10 Superiletken Kablo ve Serit Yapımı. Fen Bilimleri Enstitusu,AFP, METU, 1 JULY 2000 - 1 JULY 2001. Coordinator .
- A.11 Süperiletkenlere Çeşitli Katkılama etkileri. AFP, METU, 1 JUNE 2001 - 1 JUNE 2002. Coordinator .
- A.12 Süperiletkenlere Çeşitli katkılama Etkileri. AFP, METU, 1 JUNE 2001 - 1 JUNE 2002. Coordinator .
- A.13 Süperiletken ve Yarıiletken Malzemelerin Yapısal Özellikleri. BAP, METU, 1 JANUARY 2002 - 1 DECEMBER 2002. Coordinator .
- A.14 Si ve Ge Nanokristallerin Optik Özellikleri. METU, 1 JANUARY 2003 - 1 DECEMBER 2003. Researcher .
- A.15 Yüksek Sıcaklık Üstüniletkenlerin ve Katmanlı Yarıiletkenlerin İletkenlik Özellikleri. BAP, METU, 1 JANUARY 2003 - 1 DECEMBER 2003. Coordinator .
- A.16 Katmanlı Yarıiletkenlerin ve Süperiletkenlerin Yapısal ve Termal Özellikleri. BAP, 1 JANUARY 2004 - 1 DECEMBER 2004. Coordinator .
- A.17 İnce filim Metal Kaplama Sistmi. BAP, ODTÜ, 1 JANUARY 2006 - 1 DECEMBER 2006. Researcher .
- A.18 Dr. Ahmet Kılıç, ODTÜ'de Prof. Dr. Hüsnü Özkan yönetiminde doktora sonrası araştırma projesi, DOSAP. TÜBİTAK, 1 JANUARY 2006 - 1 DECEMBER 2006. Coordinator .

A.19 Süperiletkenlere Fe ve Nb Nano Tanecik Katkılama Etkileri. TUBİTAK, Proje no: 106T039, 1 JULY 2006 - 1 JULY 2008. Coordinator .

A.20 Süperiletkenlere Fe ve Nb Nano Tanecik Katkılama Etkileri. TUBİTAK, Proje no: 106T039 Projects , 1 JANUARY 2007 - 1 DECEMBER 2007. Local Coordinator .

A.21 Süperiletkenlere Fe ve Nb Nano Tanecik Katkılama Etkileri. TUBİTAK, Proje no: 106T039 Projects , 1 JANUARY 2008 - 1 JULY 2008. Local Coordinator .

2008-09 Danışman, TÜBİTAK destekli, ODTÜ- DOSAP projesi, Bazı Ferromanyetik, Süper İletken ve Yarı İletken Malzemelere Nano-Tanecik Katkılama Etkileri, DOSAP elemanı: Dr. İlker Küçük

2016 – 2018 TÜBİTAK 1003 Proje. Danışman: Hüsnü Özkan, Yürütücü: Behiye Yüksel. Kodu, Adı: 113E985 "Yüksek Çözünürlüklü Fosfor Ekran Temelli X-Işınları Radyografi Detektörünün Geliştirilmesi".

9. İdari Görevler

1990-2005 Kathal Fiziği Anabilim Dalı Başkanı, Fizik Bölümü, ODTÜ

1990-2008 Dotor Yeterlik Komitesi Başkanı, Fizik Bölümü, ODTÜ

1994-1998 Fen-Edebiyat Fakültesi Yönetim Kurulu Üyesi, ODTÜ

1995-2011 Bilimsel Araştırma Komitesi (BAP) üyesi, ODTÜ

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

Türk Fizik Derneği

Neutron scattering Society of America

International Union of Crystallography

Yüksek Öğretmenliler Derneği

11. Ödüller

1973-75 A. Schmitt Araştırma Ödülü, Department of Mechanical Engineering, Marquette University, Milwaukee, WI, USA

1988-89 Fulbright Ödülü, Fulbright Organizasyonu, USA, Department of Mechanical Engineering Marquette University, WI, USA

1989-90 Fulbright Ödülü, Fulbright Organizasyonu, USA, Collage of Science Engineering and Technology, Saginaw Valley State University, MI, USA

2003-04 En iyi tez danışmanı Ödülü, ODTÜ, Ankara, Türkiye
2003-06 Performans ödülü, ODTÜ, Ankara, Türkiye
2007-09 Performans ödülü, ODTÜ, Ankara, Türkiye
2009-011 Performans ödülü, ODTÜ, Ankara, Türkiye

12. Son iki yılda verilen lisans ve lisansüstü düzeydeki dersler.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2014-2015	Güz	Genel Physics I, Mekanik, İngilizce Elektrik Mühendisliği, Lisans	2	2	120
		Genel Physics I, Mekanik, İngilizce Bilgisaya Mühendisliği, Lisans,	2	2	120
		Genel Physics I, Mekanik, İngilizce Endüstri Mühendisliği, Lisans	2	2	120
		Genel Physics I, Mekanik, İngilizce Yazılım Mühendisliği, Lisans	2	2	120
	Bahar	Genel Physics II, Elektrik ve manyetizma, İngilizce Elektrik Mühendisliği, Lisans	2	2	120
		Genel Physics II, Elektrik ve manyetizma, İngilizce Bilgisayar Mühendisliği, Lisans	2	2	120
		Genel Physics II, Elektrik ve manyetizma, İngilizce Endüstri Mühendisliği, Lisans	2	2	120
		Genel Physics II, Elektrik ve manyetizma, İngilizce Yazılım Mühendisliği, Lisans, Calculus – II, Bilgisayar Mühendisliği,	2	2	120
			4	0	100

		Lisans			
2015-2016	Güz	Genel Fizik I, Mekanik, İngilizce Elektrik Mühendisliği, Lisans	2	2	120
		Genel Physics I, Mekanik, İngilizce Yazılım Mühendisliği, Lisans	2	2	120
		Genel Fizik I, Mekanik, İngilizce Endüstri Mühendisliği, Lisans	2	2	120
		Genel Fizik I, Mekanik, İngilizce Bilgisayar Mühendisliği, Lisans	2	0	120
	Bahar	Genel Physics II, Elektrik ve manyetizma, İngilizce Elektrik Mühendisliği, Lisans	2	2	120
		Genel Physics II, Elektrik ve manyetizma, İngilizce	2	2	120
		Yazılım Mühendisliği, Lisans	2	2	120
		Genel Physics II, Elektrik ve manyetizma, İngilizce Bilgisayar Mühendisliği, Lisans			
		Genel Physics II, Elektrik ve manyetizma, İngilizce	2	2	120
		Endüstri Mühendisliği, Lisans Matematik II Modern Physics, Endüstri Mühendisliği, Lisans	4	0	90